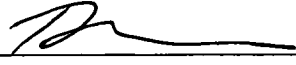




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Alexandria, VA 22313 on July 19, 2006.

INFORMATION DISCLOSURE  
STATEMENT  
Patent Application  
Docket No. UF-382XC1  
Serial No. 10/577,611

  
Doran R. Pace, Patent Attorney

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : L. Curtis Hannah, Maureen Anne Clancy  
Serial No. : 10/577,611  
Filed : April 28, 2006  
For : Materials and Methods for Improved Sweet Corn

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §§1.97 AND 1.98

Sir:

In accordance with 37 CFR §1.56, the references listed on the attached form PTO/SB/08 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. A copy of each cited reference is enclosed. However, Applicants have not submitted copies of the U.S. patents or published U.S. Patent Applications cited on attached Form PTO/SB/08 pursuant to 37 CFR 1.98(a)(2)(ii).

It is respectfully requested that the references cited on the attached form PTO/SB/08 be considered in the examination of the subject application and that their consideration be made of record.

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /D.F./

Applicants respectfully assert that the substantive provisions of 37 CFR §§1.97 and 1.98 are met by the foregoing statement.

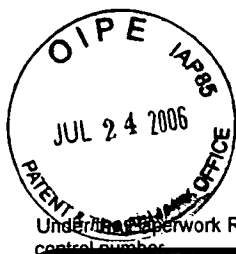
Respectfully submitted,



Doran R. Pace  
Patent Attorney  
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Fax No.: 352-372-5800  
Address: P.O. Box 142950  
Gainesville, FL 32614-2950

DRP/kmm

Attachments: Form PTO/SB/08; copies of cited references.



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	10/577,611
Filing Date	April 28, 2006
First Named Inventor	L. Curtis Hannah
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	UF-382XC1

Sheet 1 of 4

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	U1	US-6,410,716	06-25-2002	MYERS <i>et al.</i>	All
	U2	US-6,184,438	02-06-2001	HANNAH	All
	U3	US-6,573,009	06-03-2003	GRAHAM	All
	U4	US-6,506,559	01-14-2003	FIRE <i>et al.</i>	All
	U5	US-5,589,618	12-31-1996	HANNAH <i>et al.</i>	All
	U6	US-5,650,557	07-22-1997	HANNAH <i>et al.</i>	All
	U7	US-5,872,216	02-16-1999	HANNAH <i>et al.</i>	All
	U8	US-6,403,863	06-11-2002	HANNAH <i>et al.</i>	All
	U9	US-6,069,300	05-30-2000	HANNAH <i>et al.</i>	All
	U10	US-6,274,792	08-14-2001	CHANG <i>et al.</i>	All
	U11	US-5,955,330	09-21-1999	VASIL <i>et al.</i>	All
	U12	US-6,288,311	09-11-2001	MARSHALL <i>et al.</i>	All
	U13	US-5,004,864	04-02-1991	ROBERTSON <i>et al.</i>	All
	U14	US-2003/0108923	06-12-2003	TUSCHL <i>et al.</i>	All
	U15	US-2002/0086356	07-04-2002	TUSCHL <i>et al.</i>	All

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	F1	WO 02/44321	06-06-2002	MAXPLANCK- GESELLSCHAFT ZUR FÖRDERUNG DER WISSENSCHAFTEN E.V.	All	
	F2					

Examiner  
SignatureDate  
Considered

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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if Known**

Application Number	10/577,611
Filing Date	April 28, 2006
First Named Inventor	L. Curtis Hannah
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	UF-382XC1

Sheet	2	of	4
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**NON PATENT LITERATURE DOCUMENTS**

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	R1	AINSWORTH, C. <i>et al.</i> "Adenosine Diphosphate Glucose Pyrophosphorylase Genes in Wheat: Differential Expression and Gene Mapping", <i>Planta</i> , 1995, pp. 1-10, Vol. 197.	
	R2	ANDERSON, J. M. <i>et al.</i> "The Encoded Primary Sequence of a Rice Seed ADP-glucose Pyrophosphorylase Subunit and its Homology to the Bacterial Enzyme", <i>J. Biol. Chem.</i> , 1989, pp. 12238-12242, Vol. 264, No. 1.	
	R3	ANDERSON, J. M. <i>et al.</i> "Molecular Characterization of the Gene Encoding a Rice Endosperm-Specific ADPglucose Pyrophosphorylase Subunit and its Developmental Pattern of Transcription", <i>Gene</i> , 1991, pp. 199-205, Vol. 97.	
	R4	ARMSTRONG, C.L. <i>et al.</i> "Establishment and Maintenance of Friable, Embryogenic Maize Callus and the Involvement of L-proline", <i>Planta</i> , 1985, pp. 207-214, Vol. 164.	
	R5	BAE, J.M. <i>et al.</i> "Cloning and Characterization of the <i>Brittle-2</i> Gene of Maize", <i>Maydica</i> , 1990, pp. 317-322, Vol. 35.	
	R6	BALLICORA, M. A. <i>et al.</i> "Adenosine 5'-Diphosphate-Glucose Pyrophosphorylase from Potato Tuber", <i>Plant Physiol.</i> , 1995, pp. 245-251, Vol. 109.	
	R7	BHAVE, M.R. <i>et al.</i> "Identification and Molecular Characterization of <i>Shrunken-2</i> cDNA Clones of Maize", <i>Plant Cell</i> , June 1990, pp. 581-588, Vol. 2.	
	R8	DICKINSON, D.B. <i>et al.</i> "Presence of ADP-Glucose Pyrophosphorylase in <i>Shrunken-2</i> and <i>Brittle-2</i> Mutants of Maize Endosperm", <i>Plant Physiol.</i> , 1969, pp. 1058-1062, Vol. 44.	
	R9	FRAME, B.R. <i>et al.</i> "Production of Transgenic Maize from Bombarded Type II Callus: Effect of Gold Particle Size and Callus Morphology on Transformation Efficiency", <i>In Vitro Cell. Dev. Biol-Plant</i> , 2000, pp. 21-29, Vol. 36.	
	R10	COPELAND, L. <i>et al.</i> "Purification of Spinach Leaf ADPglucose Pyrophosphorylase", <i>Plant Physiol.</i> , 1981, pp. 996-1001, Vol. 68.	
	R11	GIROUX, M.J. <i>et al.</i> "ADP-glucose Pyrophosphorylase in <i>Shrunken2</i> and <i>Brittle2</i> Mutants of Maize", <i>Molecular and General Genetics</i> , 1994, pp. 400-408, Vol. 243.	
	R12	GREENE, TW. <i>et al.</i> "Mutagenesis of the Potate ADPglucose Pyrophosphorylase and Characterization of an Allosteric Mutant Defective in 3-phosphoglycerate Activation", <i>Proc. Natl. Acad. Sci., USA</i> , February 1996, pp. 1509-1513, Vol. 93.	

Examiner Signature		Date Considered	
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**Complete if Known**

Application Number	10/577,611
Filing Date	April 28, 2006
First Named Inventor	L. Curtis Hannah
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	UF-382XC1

Sheet	3	of	4
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	R13	GREENE, T.W. <i>et al.</i> "Aspartic Acid 413 is Important for the Normal Allosteric Functioning of ADP-Glucose Pyrophosphorylase", <i>Plant Physiol.</i> , 1996, pp. 1315-1320, Vol. 112.	
	R14	HANNAH, L.C. <i>et al.</i> "Characterization of Adenosine Diphosphate Glucose Pyrophosphorylases from Developing Maize Seeds", <i>Plant Physiol.</i> , 1975, pp. 297-302, Vol. 55.	
	R15	HANNAH, L.C. <i>et al.</i> "Characterization of ADP-Glucose Pyrophosphorylase from <i>Shrunken-2</i> and <i>Brittle-2</i> Mutants of Maize", <i>Biochem. Genet.</i> , 1976, pp. 547-560, Vol. 14, No. 7/8.	
	R16	HANNAH, L.C. "Starch Synthesis in the Maize Endosperm", In: <u>Advances in Cellular and Molecular Biology of Plants</u> , 1997, pp. 375-405, Vol. 4., Larkins, B. A. <i>et al.</i> (eds.). Cellular and Molecular Biology of Plant Seed Development. Kluwer Academic Publishers, Dordrecht, The Netherlands.	
	R17	IGLESIAS, A. <i>et al.</i> "Expression of the Potato Tuber ADP-Glucose Pyrophosphorylase in <i>Escherichia Coli</i> ", <i>J. Biol. Chem.</i> , 1993, pp. 1081-1086, Vol. 268, No. 2.	
	R18	LAL, J. <i>et al.</i> "The AG Dinucleotide Terminating Introns is Important but not Always Required for Pre-mRNA Splicing in the Maize Endosperm", <i>Plant Physiology</i> , May 1999, pp. 65-72, Vol. 120.	
	R19	LIN, T-P. <i>et al.</i> "A Starch Deficient Mutant of <i>Arabidopsis thaliana</i> with Low ADPglucose Pyrophosphorylase Activity Lacks One of the Two Subunits of the Enzyme", <i>Plant Physiol.</i> , 1988, pp. 1175-1181, Vol. 88.	
	R20	MORELL, M. <i>et al.</i> "Affinity Labeling of the Allosteric Activator Site(s) of Spinach Leaf ADP-glucose Pyrophosphorylase", <i>J. Biol. Chem.</i> , January 1988, pp. 633-637, Vol. 263, No. 2.	
	R21	MULLER-ROBER, B.T. <i>et al.</i> "One of Two Different ADP-glucose Pyrophosphorylase Genes from Potato Responds Strongly to Elevated Levels of Sucrose", <i>Mol. Gen. Genet.</i> , 1990, pp. 136-146, Vol. 224.	
	R22	NAKATA, P.A. <i>et al.</i> "Comparison of the Primary Sequences of Two Potato Tuber ADP-glucose Pyrophosphorylase Subunits", <i>Plant Molecular Biology</i> , 1991, pp. 1089-1093, Vol. 17.	
	R23	OKITA, T.W. <i>et al.</i> "The Subunit Structure of Potato Tuber ADPglucose Pyrophosphorylase", <i>Plant Physiol.</i> , 1990, pp. 785-790, Vol. 93.	
	R24	OKITA, T.W. <i>et al.</i> "Engineering Plant Starches by the Generation of Modified Plant Biosynthetic Enzymes", In: <u>Engineering Crops for Industrial End Uses</u> , 1996, Shewry, P. R., <i>et al.</i> (eds.). Portland Press LTD., London.	

Examiner Signature		Date Considered	
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Application Number	10/577,611
Filing Date	April 28, 2006
First Named Inventor	L. Curtis Hannah
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	UF-382XC1

Sheet	4	of	4
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**NON PATENT LITERATURE DOCUMENTS**

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	R25	OLIVE, M.R. <i>et al.</i> "Isolation and Nucleotide Sequences of cDNA Clones Encoding ADP-glucose Pyrophosphorylase Polypeptides from Wheat Leaf and Endosperm", <i>Plant Physiol. Mol. Biol.</i> , 1989, pp. 525-538, Vol. 12.	
	R26	PREISS, J. "Bacterial Glycogen Synthesis and its Regulation", <i>Ann. Rev. Microbial.</i> , 1984, pp. 419-458, Vol. 38.	
	R27	PREISS, J. <i>et al.</i> "Molecular Biology and Regulatory Aspects of Glycogen Biosynthesis in Bacteria", <i>Progress in Nuc. Acid Res. And Mol. Biol.</i> , 1994, pp. 299-329, Vol. 47.	
	R28	PREISS, J. <i>et al.</i> "Starch Synthesis in Sinks and Sources", In: <u>Photassimilate Distribution in Plants and Crops: Source-Sink Relationships</u> , 1996, Zamski, E. (ed.). pp. 139-168, Marciel Dekker Inc.	
	R29	SHAW, J.R. <i>et al.</i> "Genomic Nucleotide Sequence of a Wild-Type Shrunken-2 Allele of <i>Zea mays</i> ", <i>Plant Physiology</i> , 1992, pp. 1214-1216, Vol. 98.	
	R30	SOMOGYI, M. "Notes on Sugar Determination", <i>Journal of Biological Chemistry</i> , 1952, pp. 19-23, Vol. 195.	
	R31	SPENCER, T.M. <i>et al.</i> "Bialaphos Selection of Stable Transformants from Maize Cell Culture", <i>Theor. Appl. Genet.</i> , 1990, pp. 625-631, Vol. 79.	
	R32	STARK, D.M. <i>et al.</i> "Regulation of the Amount of Starch in Plant Tissues by ADP Glucose Pyrophosphorylase", <i>Science</i> , 1992, pp. 287-292, Vol. 258.	
	R33	TSAI, C. Y. <i>et al.</i> "Starch-Deficient Maize Mutant Lacking Adenosine Diphosphate Glucose Pyrophosphorylase Activity", <i>Science</i> , 1966, pp. 341-343, Vol. 151.	
	R34	VAIN, P. <i>et al.</i> "Osmotic Treatment enhances Particle Bombardment-Mediated Transient and Stable Transformation of Maize", <i>Plant Cell Reports</i> , 1993, pp. 84-88, Vol. 12.	
	R35		
	R36		
	R37		

Examiner Signature	/David T. Fox/	Date Considered	10/27/2008
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